

**LAND APPLICATION SITE**

**MICHAEL R ATKINS SITE**

**LUMRA 1-4**

**LUNENBURG COUNTY**

**VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION  
FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS**

**PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS**

A. This land application agreement is made on 1-26-15 between Robert B Atkins referred to here as "Landowner", and Recyc Systems, Inc, referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

**Landowner:**

The Landowner is the owner of record of the real property located in Lawrenceburg, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges			
<u>Tax Parcel ID</u>	<u>Tax Parcel ID</u>	<u>Tax Parcel ID</u>	<u>Tax Parcel ID</u>
		<u>35-02-2A</u>	

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one:

- ☐ The Landowner is the sole owner of the properties identified herein.  
☒ The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

<u>Class B biosolids</u>	<u>Water treatment residuals</u>	<u>Food processing waste</u>	<u>Other industrial sludges</u>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Robert Atkins MIKE ATKINS  
Landowner - Printed Name, Title

Robert Atkins  
Signature

P.O. Box 963  
Victoria VA 23974  
(434) 294-8026  
Mailing Address & Phone Number

**Permittee:**

Recyc Systems, Inc, the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

☐ I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of this document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)

[Signature]  
Permittee - Authorized Representative  
Printed Name

[Signature]  
Signature

PO Box 562 Remington, Virginia 22734  
Mailing Address

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Recyc Systems, Inc County or City: Lunenburg  
Landowner: Michael Atkins & Robert Atkins

**Landowner Site Management Requirements:**

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
  - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
  - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
  - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
  - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
  - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
  - c. Feed crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
  - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
  - e. Feed crops shall not be harvested for 30 days after the application of biosolids (90 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

  - a. Meat producing livestock shall not be grazed for 30 days,
  - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
  - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

  
Landowner's Signature

1/26/15  
Date

  
Farm Operator Signature

P.O. Box 563  
Victrola, VA. 23974  
Mailing Address & Phone Number  
(434) 254-8026

**VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION  
FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS**

**PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS**

A. This land application agreement is made on 1-28-15 between Covington Hardy Jones Jr. referred to here as "Landowner", and Recyc Systems, Inc, referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

**Landowner:**

The Landowner is the owner of record of the real property located in LUNEBURG, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges			
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
035 020 2B			

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one:

- ☒ The Landowner is the sole owner of the properties identified herein.  
☐ The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

<u>Class B biosolids</u>	<u>Water treatment residuals</u>	<u>Food processing waste</u>	<u>Other industrial sludges</u>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

<u>Covington Hardy Jones Jr.</u>	<u>Covington Hardy Jones Jr.</u>	<u>PO Box 123 - Victoria, VA 23774</u>
Landowner - Printed Name, Title	Signature	Mailing Address & Phone Number
		<u>434-86-3107</u>

**Permittee:**

Recyc Systems, Inc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

☐ I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of this document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)

<u>[Signature]</u>	<u>[Signature]</u>	<u>PO Box 562 Remington, Virginia 22734</u>
Permittee - Authorized Representative	Signature	Mailing Address
Printed Name		

# VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Recyc Systems, Inc

County or City: LUNEBURG

Landowner: Carrington Hardy Jones, Jr

## Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
  - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
  - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
  - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
  - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
  - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
  - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
  - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
  - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

  - a. Meat producing livestock shall not be grazed for 30 days,
  - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
  - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Carrington Hardy Jones, Jr.  
Landowner's Signature

1-26-15  
Date

\_\_\_\_\_  
Farm Operator Signature

\_\_\_\_\_  
Mailing Address & Phone Number

# Recyc Systems, Inc

## Michael R. Atkins Site

County	Owner	Operator	FSA Tract No.	Recyc Field No.	Acres	Date of Last Application
Lunenburg	Michael R. Atkins	Michael R. Atkins	T328 Fields 1,2	LUMRA 1	10.8	09/08
			T328 Fields 3,4,5,10	LUMRA 2	18.5	09/08
			T328 Field 6	LUMRA 3	8.9	09/08
			T328 Fields 7,13,14,16,17,18	LUMRA 4	21.6	09/08

# RECYC SYSTEMS, INC

## FIELD DATA SHEET

Field Identification	Gross Acres	Environmentally Sensitive Soils				Hydro Map	Tax Map #	FSA Tract #
		Water Table	Bed Rock/Shallow	Surf/Leach	Freq Flood			
LUMRA 1	10.8	-	-	-	-	CU03	TM35, P2A,2B	328
LUMRA 2	18.5	-	-	-	-	CU03	TM35, P2A,2B	328
LUMRA 3	8.9	-	-	-	-	CU03	TM35, P2A,2B	328
LUMRA 4	21.6	-	-	-	-	CU03	TM35, P2A,2B	328
TOTAL ACRES IN SITE	59.8							



Report Number:

R07227-0013

Account Number:

70594

**A&L Eastern Laboratories, Inc.**

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401

Fax No. (804) 271-6446 Email: office@al-labs-eastern.com



Send To: RECYC SYSTEMS INC  
POB 562  
REMINGTON, VA 22734

Grower: MIKE ATKINS  
LUNENBURG

Submitted By: H MOODY

Farm I D:

Field I D:

**SOIL ANALYSIS REPORT**

Page: 1

Date Received: 8/15/2007

Date of Analysis: 8/16/2007

Date of Report: 8/17/2007

Analytical Method(s):

Mehlich III

Sample Number	Lab Number	Organic Matter		Phosphorus		Potassium	Magnesium	Calcium	Sodium	pH		Acidity	CEC
		% EN	ENR lbs/A Rate	Available ppm Rate	Reserve ppm Rate	K ppm Rate	MG ppm Rate	CA ppm Rate	NA ppm Rate	Self pH	Buffer Index	H meq/100g	init(l/100g)
LUMRA1	15373	2.6 9	96 M M	34 M M		113 H H	110 H H	450 M M		5.8	6.9	08	4.3
LUMRA2	15374	3.2 10	109 M M	53 H H		96 H H	60 M M	270 L L		5.1	6.8	13	3.4
LUMRA3	15375	3.1 10	106 M M	33 M M		129 H H	105 H H	360 L L		5.6	6.8	09	3.9
LUMRA4	15376	1.9 8	83 L L	45 M M		124 H H	85 H H	340 L L		5.5	6.8	0.9	3.7

Sample Number	Percent Base Saturation					Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts	Chloride	Aluminum
	K	Mg	Ca	Na	H	NO3-N	SO4-S	ZN	MN	FE	CU	B	ms/cm Rate	CL	AL
	%	%	%	%	%	ppm Rate	ppm Rate	ppm Rate	ppm Rate	ppm Rate	ppm Rate	ppm Rate		ppm Rate	ppm Rate
LUMRA-1	6.8	21.5	52.7		19.0										
LUMRA-2	7.3	14.9	40.2		37.6										
LUMRA-3	8.4	22.3	45.9		23.3										
LUMRA-4	8.7	19.3	46.3		25.8										

Values on this report represent the plant available nutrients in the soil.

Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High).

ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre),  
ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams).

Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to the sample(s) tested. Samples are retained a maximum of thirty days after testing. Soil Analysis prepared by:  
A & L EASTERN LABORATORIES, INC.

by:

*Paul Chu*  
Paul Chu, Ph.D.



THE PLANNER IS NOT STATE CERTIFIED

**Nutrient Management Plan Balance Sheet**  
**(Fall, 2009-Winter, 2011)**  
**Michael R Atkins**  
**Planner: Recyc Systems, Inc**

Tract: 328      Location: Lunenburg  
(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
F 1,2/LUMRA1(N)	11/11	2009	Orchardgrass hay mt.	70-50-85	0/0				70-50-85	N/A			
F3,4,5,10/LUMRA2(N)	19/19	2009	Orchardgrass hay mt.	70-40-95	0/0				70-40-95	N/A			
F6/LUMRA3(N)	9/9	2009	Hay/Pasture	100-50-70	0/0				100-50-70	N/A			
F7,13,14,16,17,18/L UMRA4(N)	22/22	2009	Fallow	0-0-0	0/0				0-0-0	N/A			

**Commercial Application Methods:**  
br - Broadcast ba - Banded sd - Sidedress  
**Notes:**

**THE PLANNER IS NOT STATE CERTIFIED**

**Michael R Atkins Narrative**

This is the Michael R Atkins farm located in Lunenburg County. The farm consists of row crops, hay and pasture.

This is a partial plan written for the purpose of obtaining a biosolids permit. Biosolids application has not been shown since it is uncertain when a permit will be obtained. The partial plan will be revised prior to biosolids application to obtain a target biosolids application rate.

**Soil Test Summary**

Tract	Field	Acre	Date	P2O5	K2O	Lab	Soil pH	Lime Date	rec. lime tons/Ac
328	LUMRA1	11	2007-Fa	M (34 P ppm)	M+ (113 K ppm)	A&L MIII	5.8		
328	LUMRA2	19	2007-Fa	H- (53 P ppm)	M (96 K ppm)	A&L MIII	5.1		
328	LUMRA3	9	2007-Fa	M (33 P ppm)	H- (129 K ppm)	A&L MIII	5.6		
328	LUMRA4	22	2007-Fa	M+ (45 P ppm)	H- (124 K ppm)	A&L MIII	5.5		

### **Field Productivities for Major Crops**

Tract Name	Tract/ Field	Field Name	Acres	Predominant Soil Series	Corn	Small Grain	Alfalfa	Grass Hay	Environmental Warnings
328	F	LUMRA1	11	Appling	IVb	IV	III	IV	
	1,2,3,4,5								
	F	LUMRA2	19	Appling	IVb	IV	III	IV	
	1,2,3,4,5								
	F	LUMRA3	9	Cecil	IVb	IV	III	IV	
	1,2,3,4,5								
	F	LUMRA4	22	Cecil	IVb	IV	III	IV	
	1,2,3,4,5								

### **Yield Range**

Field Productivity Group	Corn Grain Bu/Acre	Barley/Intensive Wheat Bu/Acre	Std. Wheat Bu/Acre	Alfalfa Tons/Acre	Grass/Hay Tons/Acre
I	≥170	≥80	≥64	≥6	≥4.0
II	150-170	70-80	56-64	4-6	3.5-4.0
III	130-150	60-70	48-56	≤4	3.0-3.5
IV	100-130	50-60	40-48	NA	≤3.0
V	≤100	≤50	≤40	NA	NA

## Farm Summary Report

**Plan:** New Plan Fall, 2009 - Winter, 2011

**Farm Name:** Michael R Atkins  
**Location:** Lunenburg  
**Specialist:** Recyc Systems, Inc

**Tract Name:** 328  
**FSA Number:** F 1,2,3,4,5,10,6,7,1,3,14,16,17,18  
**Location:** Lunenburg

**Field Name:** LUMRA1  
**Total Acres:** 10.80 **Usable Acres:** 10.80  
**FSA Number:** F 1,2  
**Tract:** 328  
**Location:** Lunenburg  
**Slope Class:** C **Hydrologic Group:** B

Riparian buffer width: 0 ft  
Distance to stream: 0 ft

**Conservation Practices:**  
Pasture (>75% cover)

### *P-Index Summary*

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

### **Soil Test Results:**

DATE	PH	P	K		Lab
Fa-2007	5.8	M(34 P ppm)	M+(113 K ppm)	A&L MIII	

### **Soils:**

PERCENT	SYMBOL	SOIL SERIES
25	1B2	Appling
35	1C2	Appling

30	5B2	Cecil
10	23D2	Wedowee

**Field Warnings:**

**Field Name:** LUMRA2

Total Acres: 18.50 Usable Acres: 18.50

FSA Number: F3,4,5,10

Tract: 328

Location: Lunenburg

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

**Conservation Practices:**

Pasture (>75% cover)

*P-Index Summary*

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K		Lab
Fa-2007	5.1	H-(53 P ppm)	M(96 K ppm)	A&L MIII	

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
50	1B2	Appling
40	5B2	Cecil
10	5C2	Cecil

**Field Warnings:**

**Field Name:** LUMRA3

Total Acres: 8.90 Usable Acres: 8.90

FSA Number: F6

Tract: 328

Location: Lunenburg  
Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft  
Distance to stream: 0 ft

**Conservation Practices:**

Pasture (>75% cover)

*P-Index Summary*

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K		Lab
Fa-2007	5.6	M(33 P ppm)	H-(129 K ppm)	A&L MIII	

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
20	5B2	Cecil
80	5C2	Cecil

**Field Warnings:**

**Field Name:** LUMRA4

Total Acres: 21.60 Usable Acres: 21.60

FSA Number: F7,13,14,16,17,18

Tract: 328

Location: Lunenburg  
Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft  
Distance to stream: 0 ft

*P-Index Summary*

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method



**Soil Test Results:**

DATE	PH	P	K		Lab
Fa-2007	5.5	M+(45 P ppm)	H-(124 K ppm)	A&L MIII	

**Soils:**

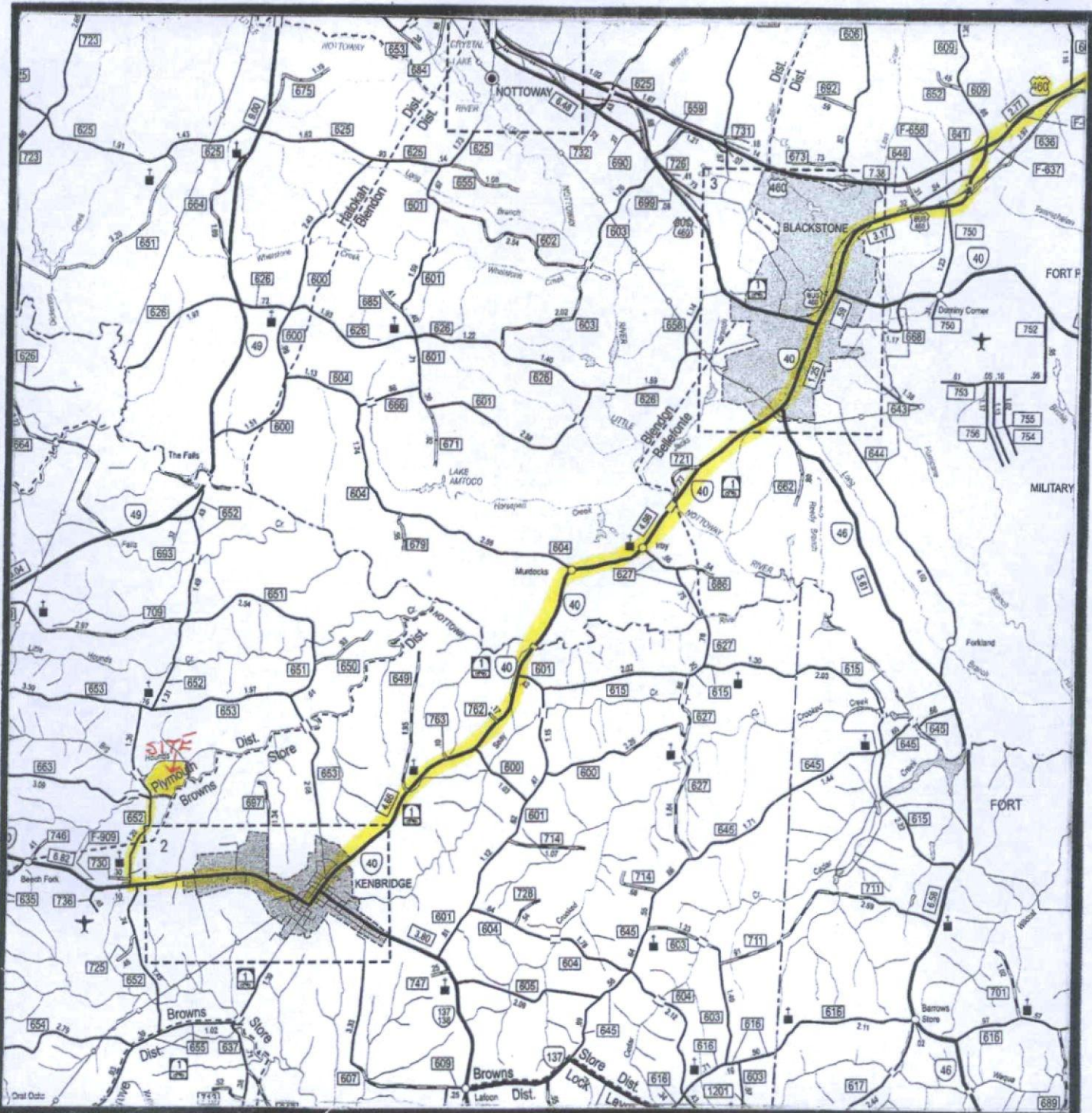
PERCENT	SYMBOL	SOIL SERIES
20	5B2	Cecil
80	5C2	Cecil

**Field Warnings:**

# MAPS

# Recyc Systems<sup>TM</sup> Inc.

(Biosolids Land Application)



**Scale:** 1 inch = 2 miles

LUMRA 1-4

**VICINITY MAP**





# Recyc Systems<sup>TM</sup> Inc.

(Biosolids Land Application)



Scale: 1 inch = 1 miles

LUMRA 1-4

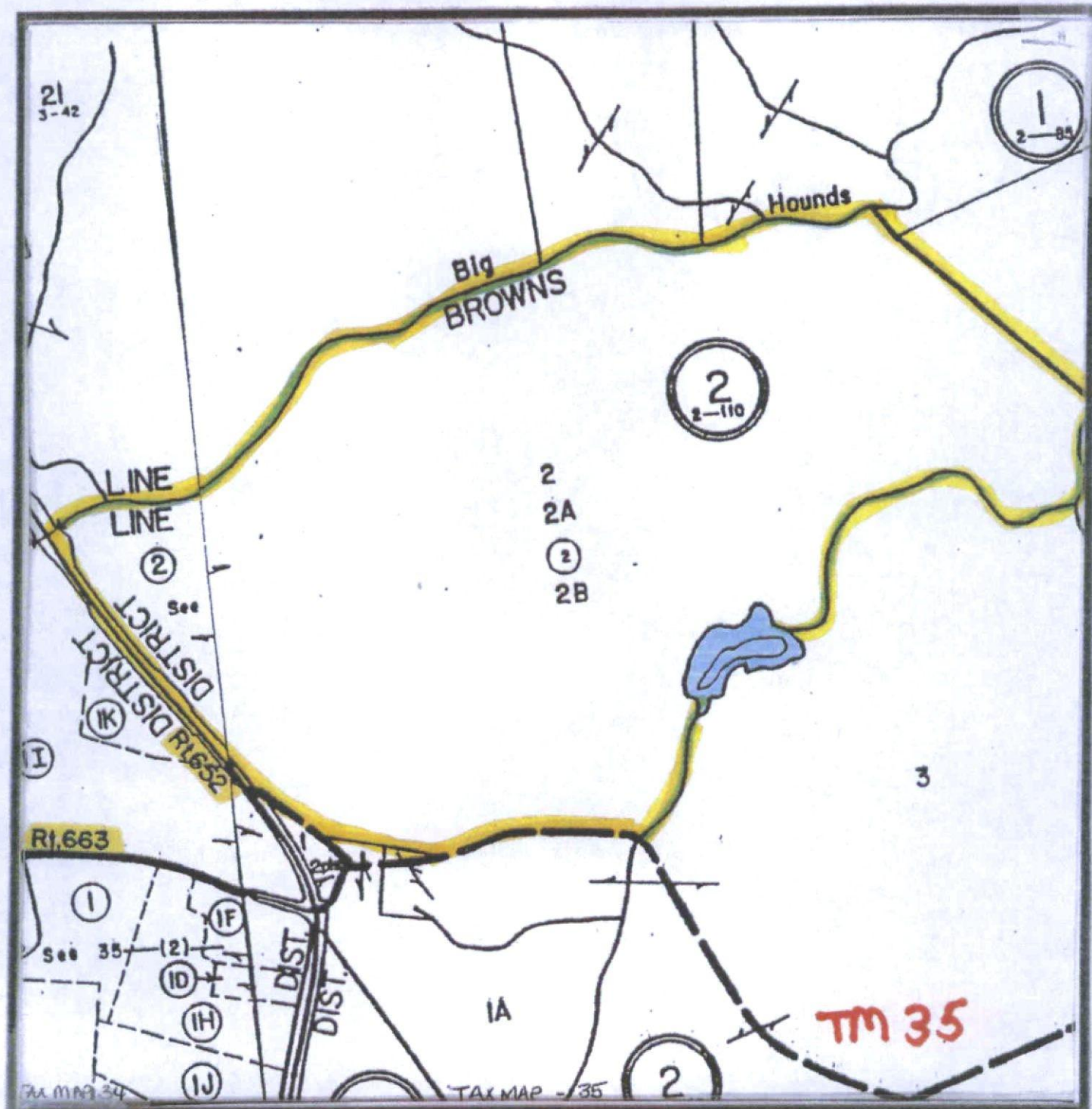
VICINITY MAP





**Inc.**

**(Biosolids Land Application)**



**Scale:** 1 inch = 660 feet

LUMRA 1-4

## TAX MAP



# ADJOINING LANDOWNERS

Michael R. Atkins Site

## LUNENBURG COUNTY

Tax Map	Parcel ##	Owner Name(s)
23	28	Ralph J. or Carolyn M. By Bagley
23	29	J.P. & Frances Williams
35(1)	1	Albert E. Hippen & others
35(1)	3	Piccola E. Sward
35(2)	1	Dan R. & Joyce L. Martin
35(2)	11	James Edward or Made Lewis Atkinson
35(2)	1K	James Earl or Shirley S. Atkinson
35(2)	3	Russell A. or Thelma H. Hicks
35(2)	3A	Thongdanh or Chanthanon Thongdygarath
35(A)	5	Winston Ferguson, Jr. et al





**Scale:** 1 inch = 660 feet

LUMRA 1-4

**SOIL MAP**







**Scale:** 1 inch = 660 feet

LUMRA 1-4

**AERIAL MAP**





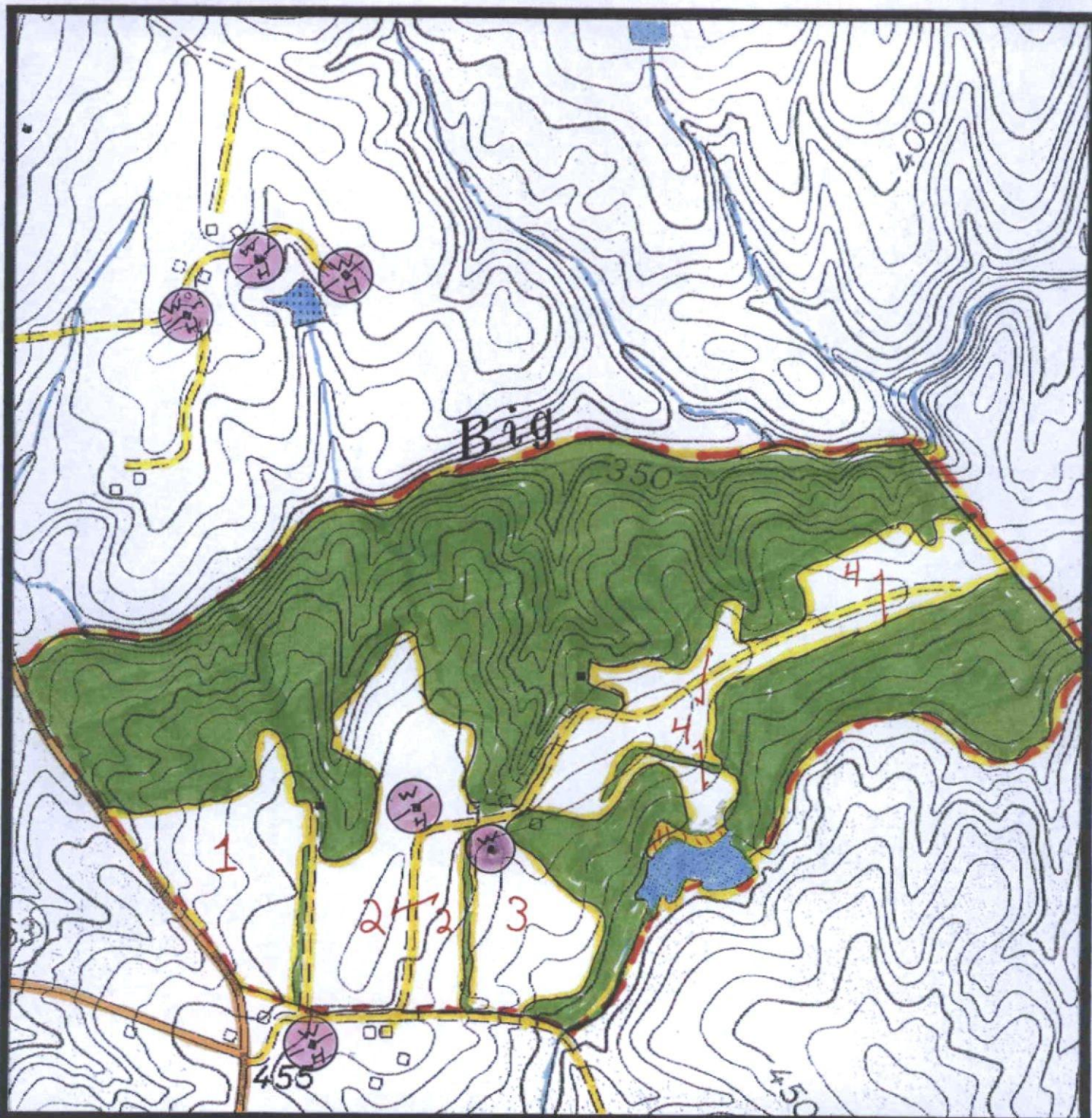
## Legend for Site Plan

	House and Well
 	Well / Spring
 	Perennial Streams & Surface
	Wet Spot
	Intermittent Stream / Drainage
	Trees and Woods
	Private Drive
	Rock / Rocky Area
	Sinkhole
	Severely Eroded Spot
	State Road
  }	Field Boundary / Fence
	Property Line
	Slope
	Frequent Flooded Soil



# Recyc Systems<sup>TM</sup> Inc.

(Biosolids Land Application)



**Scale:** 1 inch = 660 feet

LUMRA 1-4

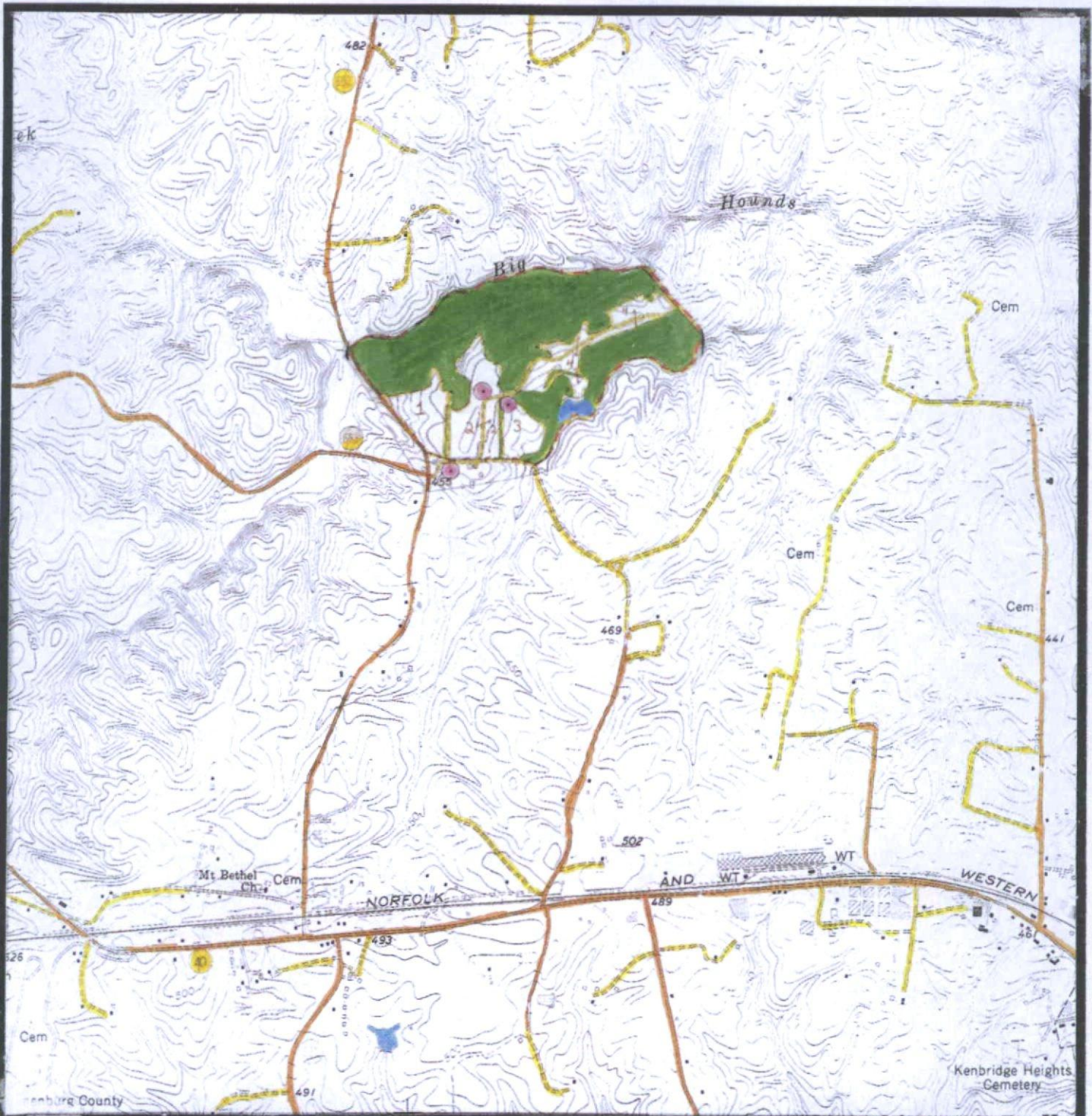
**SITE PLAN**





# Recyc Systems<sup>TM</sup> Inc.

(Biosolids Land Application)



**Scale:** 1 inch = 2000 feet

LUMRA 1-4

**TOPOGRAPHIC MAP**

